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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/843,355	04/26/2001	Sang-Ho Park	A34177	8505
21003	7590	11/01/2004	EXAMINER	
BAKER & BOTTS 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			IYER, RAMAKRISHNA R	
			ART UNIT	PAPER NUMBER
			2663	

DATE MAILED: 11/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/843,355

Applicant(s)

PARK ET AL.

Examiner

Raju Iyer

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-5 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 26 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

### DETAILED ACTION

1. This application is in condition for allowance except for the following formal matters:

a) The abstract of the disclosure is objected to because a) it is too long and b) it provides excessive design details rather than giving an overview of the invention, its organization and operation and an indication of how it is an improvement. Appropriate modification of content and correction is required. See MPEP § 608.01(b).

b) 35 U.S.C. 112, first paragraph, requires the specification to be written in "full, clear, concise, and exact terms." The specification is replete with terms which are not clear, concise and exact. The specification should be revised carefully in order to comply with 35 U.S.C. 112, first paragraph. Examples of some unclear, inexact terms used in the specification are:

- i) "is frequently occurred" (see for example, page 2, line 1);
- ii) "determining which are more included" (page 3, line 20);
- iii) "super channel including 5 channels or a super channel including 10 channels" (page 3, lines 7-8)
- iv) page 11, paragraph is incomplete

The above and other errors appear repetitively in the text, and need to be corrected.

Acronyms such (e.g. CPM, SI RAM, page 3, lines 5-15) should be spelt out and explained, if necessary, the first time they appear in the text.

Definition and function of "active region" and "shadow region" (see for example page 9, lines 20-24) and how they fit into the proposed method must be explained clearly.

In Fig. 1, the channel buffer (100) is shown having a link to the outside, but the specification is unclear about the function of this link.

The use of the trademark (e.g. Motorola, MPC8260, page 6, line 5) has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology. Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks. Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

***Allowable Subject Matter***

- 2.** Claims 1 –5 are allowed.
- 3.** The following is an examiner's statement of reasons for allowance:
  - US Patent Application Publication No. US2002/0004599 ("Dokko") discloses a channel allocation method for radio data calls having different bandwidths, wherein some of the concepts and ideas embodied in the current application are mentioned. Dokko teaches a method for allocating E1 channel bandwidth

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to an individual data call based on its bandwidth requirement, by using a Frame relay conversion unit. The prior art fails to teach or make obvious the method of allocating variable bandwidth to a plurality of data calls on the E1 link in a CDMA Mobile Communication System based on determining whether there are more high speed data calls or low speed data calls in process.

- US Patent No. 6,636,492 ("Son et al") disclose an apparatus for interfacing between a Mobile Switching Center and an Interworking Function Unit that provides the means to allocate E1 channel bandwidth efficiently for of incoming data calls. Like Dokko, Son et al fail to teach or make obvious the method of allocating variable bandwidth to a plurality of data calls on the E1 link based on determining whether there are more high speed data calls or low speed data calls in process.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

**4** The prior art made of record and not relied upon is considered pertinent to applicant's disclosure (see attached list).

**5** Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raju Iyer whose telephone number is (571) 272 6047.

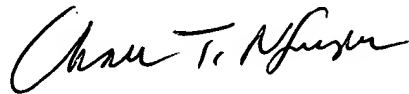
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The examiner can normally be reached on weekdays from 7.00 a.m. - 4.00 p.m.; except on every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T. Nguyen can be reached on (571) 272 3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*RT*



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SUPERVISORY PATENT EXAMINER  
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